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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
AMENDMENT TRANSMITTAL LETTER



I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on December 29, 2004.

Lisa D. Bronk

Applicant	: Kristine B. Fuimaono, et al.	Confirmation No. Not Yet Assigned
Application No.	: 10/749,888	
Filed	: December 31, 2003	
Title	: CATHETER HAVING MAPPING ASSEMBLY	
Grp./Div.	: 3739	
Examiner	: Not Yet Assigned	
Docket No.	: 51643/AW/W112	

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Post Office Box 7068
Pasadena, CA 91109-7068
December 29, 2004

Commissioner:

Enclosed is an amendment to the above-identified application.

CLAIMS AS AMENDED											
	Claims Remaining After Amendment	Highest Number Paid For	Number Extra Claims	Small Entity Rate	Large Entity Rate	FEE					
Total Claims Fee	59	*60	0	0 x \$25.00	0 x \$50.00	0					
Independent Claims	8	** 8	0	0 x \$100.00	0 x \$200.00	0					
Multiple Dependent Claims ***				\$180.00	\$360.00	0					
TOTAL FILING FEE						0					
NO ADDITIONAL FEE REQUIRED ****	IF NO FEE REQUIRED, INSERT "0"					0					
LIST INDEPENDENT CLAIMS: 1, 19, 30, 36, 41, 47, 52 and 56											
* IF HIGHEST NUMBER PREVIOUSLY PAID FOR IS 20 OR LESS, WRITE "20" IN COLUMN 3											
** IF HIGHEST NUMBER PREVIOUSLY PAID FOR IS 3 OR LESS, WRITE "3" IN COLUMN 3											
*** PAY THIS FEE ONLY WHEN MULTIPLE DEPENDENT CLAIMS ARE ADDED FOR THE FIRST TIME											
**** IF NO FEE REQUIRED, ADDRESS ENVELOPE TO "BOX NON-FEE AMENDMENTS"											

Attached is our check for \$ to pay the fees calculated above.
A Petition for Extension of Time and the required fee are enclosed.
Other enclosures:

**Amendment Transmittal Letter
Application No. 10/749,888**

The Commissioner is hereby authorized to charge any fees under 37 CFR 1.16 and 1.17 which may be required by or to give effect to this paper to Deposit Account No. 03-1728. Please show our docket number with any charge or credit to our Deposit Account. A copy of this letter is enclosed.

Respectfully submitted,

CHRISTIE, PARKER & HALE, LLP

By _____
Anne Wang
Reg. No. 36,045
626/795-9900

AW/ldb



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Signature

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TC/A.U. : 3739
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Docket No. : 51643/LES/W112
Customer No. : 23363

PRELIMINARY AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Post Office Box 7068
Pasadena, CA 91109-7068
December 29, 2004

Commissioner:

Prior to examination, please amend the above-identified application as follows:

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 18 of this paper.